

WHAT IS CLAIMED IS:

[c01] A wire channel device, comprising:

an upwardly extending arm having a top portion, a bottom portion, an inner surface, and an outer surface, the outer surface of the top portion having a projection to engage and to secure the wire channel device between an upper siding panel and a lower siding panel;

a transverse leg extending outwardly from the outer surface of the bottom portion of the arm towards a downwardly extending leg of a wire channel;

the wire channel having the downwardly extending leg, a channel portion, and a rear upwardly extending leg,

wherein the downwardly extending leg is longer than the rear upwardly extending leg and wherein an interior of the channel portion defines a channel to retain a wire.

[c02] The wire channel device of claim 1, wherein the channel portion comprises a substantially “U”-shaped channel.

[c03] The wire channel device of claim 1, wherein the channel portion comprises a substantially rectangular-shaped channel.

[c04] The wire channel device of claim 1, wherein the channel portion comprises a substantially “V”-shaped channel.

[c05] The wire channel device of claim 1, the transverse leg further comprising a first lateral side and a second lateral side, the first lateral side having a female repository and the second lateral side having a male projection, wherein the male projection of a first wire channel device mates with the female repository of a second wire channel device

such that the first wire channel snap fits into alignment and secures with the second wire channel.

[c06] The wire channel device of claim 1, the downwardly extending leg further comprising a first lateral side and a second lateral side, the first lateral side having a female repository and the second lateral side having a male projection, wherein the male projection of a first wire channel device mates with the female repository of a second wire channel device to align and secure the first wire channel device with the second wire channel device.

[c07] The wire channel device of claim 1, wherein a length of the upwardly extending arm comprises at least about one inch.

[c08] The wire channel device of claim 1, wherein a length of the transverse arm comprises at least about one inch.

[c09] The wire channel device of claim 1, wherein the downwardly extending leg comprises at least about one and a half inches.

[c10] The wire channel device of claim 1, wherein the downwardly extending leg extends downward at an angle of at least thirty degrees toward the arm.

[c11] The wire channel device of claim 1, wherein the projection comprises at least one substantially triangular-shaped lip.

[c12] The wire channel device of claim 1, wherein the projection comprises at least one substantially hook-shaped lip.

[c13] The wire channel device of claim 12, wherein the hook-shaped lip has an interior angle relative to the outer surface of the top portion of at least approximately fifteen degrees.

[c14] The wire channel device of claim 1, wherein the wire channel device comprises at least one of the following materials:

metal,
polymer,
plastic,
vinyl,
ceramic,
composite,
glass, and
crystal.

[c15] A wire channel device, comprising:

a transverse leg extending outwardly towards a downwardly extending leg of a wire channel, wherein the transverse leg extends beneath a rearwardly-facing hook portion of an upper siding panel; and

the wire channel having the downwardly extending leg, a channel portion, and a rear upwardly extending leg, wherein the downwardly extending leg is longer than the rear upwardly extending leg and wherein the channel portion defines a channel to retain a wire.

[c16] The wire channel of claim 15, further comprising:

at least one upwardly extending arm having a top portion, a bottom portion, an inner surface, and an outer surface, the outer surface of the top portion having a projection to engage and to secure the wire channel device between the lip portion of the upper siding panel and a complimentary hooked portion of a lower siding panel and a portion of the outer surface of the bottom portion connected with the transverse arm.

[c17] The wire channel device of claim 15, the transverse leg further comprising a first lateral side and a second lateral side, the first lateral side having a female repository and the second lateral side having a male projection, wherein the male projection of a first wire channel device mates with the female repository of a second wire channel device such that the first wire channel snap fits into alignment and secures with the second wire channel.

[c18] The wire channel device of claim 15, the downwardly extending leg further comprising a first lateral side and a second lateral side, the first lateral side having a female repository and the second lateral side having a male projection, wherein the male projection of a first wire channel device mates with the female repository of a second wire channel device to align and secure the first wire channel device with the second wire channel device.

[c19] A method of positioning a wire channel device, comprising the steps of:

positioning the wire channel device between a lip portion of an upper siding panel and a complimentary hooked portion of a lower siding panel, the wire channel device comprising

a transverse leg extending outwardly towards a downwardly extending leg of a wire channel, wherein the transverse leg extends beneath a rearwardly-facing hook portion of an upper siding panel,

the wire channel having the downwardly extending leg, a channel portion, and a rear upwardly extending leg, wherein the downwardly extending leg is longer than the rear upwardly extending leg and wherein the channel portion defines a channel to retain a wire, and

at least one upwardly extending arm having a top portion, a bottom portion, an inner surface, and an outer surface, the outer surface of the top portion having a projection to engage and to secure the wire channel device between the lip portion of the upper siding panel and the complimentary hooked portion of the lower siding panel.

[c20] The method of claim 19, further comprising:

positioning the wire at an opening above an end portion of the rear
upwardly extending leg and below the transverse leg; and
pushing the wire through the opening to the wire channel.